NATURAL HISTORY

THE JOURNAL OF
THE AMERICAN MUSEUM
OF NATURAL HISTORY

VOLUME LXXXII
1973

Published by
THE AMERICAN MUSEUM
OF NATURAL HISTORY
NEW YORK, N.Y.

JANUARY No. 1

AUTHORS 2
LETTERS 6
A NATURALIST AT LARGE: THE PEOPLE CRUNCH COMES TO EAST AFRICA ..... Norman Myers 10
THE HUMAN STRATEGY: WHAT GOES UP, MAY STAY UP ..... Marvin Harris 18
BIOS: THE LANGUAGE OF THE LEAVES ..... Arthur W. Galston 26
LAND SHARING IN RURAL INDIA ..... Curtis P. Hartman 32
Photographs by Cary S. Wolinsky
THE COD: A CASE OF SUPERVISED NEGLECT ..... Albert C. Jensen 44
RETURN OF THE FISHER ..... Robert B. Brander and David J. Books 52
MEDIEVAL BEASTIES ..... Frank J. Anderson 58
ARCTIC RENAISSANCE ..... GEORGE SWINTON 64
MAN'S ADAPTABLE PREDATOR ..... Edwin D. Kilbourne 72
SKY REPORTER: BLACK HOLES AND GALAXIES ..... John P. Wiley, Jr. 84
CELESTIAL EVENTS ..... Thomas D. Nicholson 86
THE PROPHET SPEAKS ..... Review by Luther P. Gerlach 88
SUGGESTED ADDITIONAL READING 100

FEBRUARY No. 2

AUTHORS 2
LETTERS 6
A NEW AGE FOR AGING ..... Bernard L. Strehler 8
THE HUMAN STRATEGY: RIDDLE OF THE PIG, II ..... Marvin Harris 20
BIOS: A BASIC UNITY OF LIFE ..... Arthur W. Galston 26
THE SILENT ORDEAL OF A SOUTH ATLANTIC ARCHIPELAGO ..... Ian J. Strange 30
FROM MOTHER GODDESS TO DISHWASHER ..... Dena Justin 40
PHINEAS T. BARNUM'S CHARMING BEAST ..... Harvey A. Ardman 46
SECRETS OF THE COELACANTH ..... Keith S. Thomson 58
UNVEILING THE BLACK WIDOW ..... John A. L. Cooke 66
MOMENTS IN THE MUD ..... Photographs by Maureen Bisilliat 76
SOCIAL SYSTEMS, SEX, AND SURVIVAL ..... Review by Daniel H. Janzen 86
SKY REPORTER: BACK TO THE BACKYARD ..... John P. Wiley, Jr. 99
CELESTIAL EVENTS ..... Thomas D. Nicholson 100
SUGGESTED ADDITIONAL READING 102

MARCH No. 3

AUTHORS 2
LETTERS 4
THE MISNAMED, MISTREATED, AND MISUNDERSTOOD IRISH ELK ..... Stephen Jay Gould 10
THE HUMAN STRATEGY: THE WITHERING GREEN REVOLUTION ..... Marvin Harris 20
BIOS: PLANT CANCER ..... Arthur W. Galston 24
LONELY LIVES UNDER THE BIG SKY ..... William A. Douglass 28
FLOWERS OF THE SEA ..... Meredith L. Jones 40
Photographs by Carl Roessler
LETTERS FROM GOLDEN SARDIS ..... George M. A. Hanfmann 46
CEMETERY ECOLOGY ..... Jack Ward Thomas and Ronald A. Dixon 60
THE GREATER RHEA CHICK AND EGG DELIVERY ROUTE ..... Donald F. Bruning 68
SAD SAGA OF THE OCEANA ..... Susan Schlee 76
WHERE HUMANITY ENDS ..... Review by Robert Coles 84
SUGGESTED ADDITIONAL READING 97
CELESTIAL EVENTS ..... Thomas D. Nicholson 98

April No. 4

Authors 2
At Random ..... Alan Ternes 4
A Naturalist at Large: Smokey Bear Meets Satan's Wife
Raymond B. Cowles 6
Letters 20
Bios: China's Far-flung Children ..... Arthur W. Galston 24
Metamorphosis of the Monarch ..... Jecon Gregory 28
An Indian Journey to Life's Source ..... Peter T. Furst 34
Last Dance on the Mating Ground
Jacques-Yves Cousteau and Philippe Diolé 44
The Cones of Cappadocia ..... Roberta Strauss Feuerlicht 50
The Black Rhinoceros ..... John Goddard 58
A Botanist at Sea ..... Nicholas T. Mirov 68
People and Their Music ..... Review by Alan P. Merriam 78
Celestial Events ..... Thomas D. Nicholson 92
Suggested Additional Reading 95

May No. 5

Authors 2
Letters 4
Where Did You Go? Out. What Did You Find? Fossils
Robert Sommer 9
Bios: Education under Fire ..... Arthur W. Galston 18
Refugees of the Ice Age ..... Thomas C. Barr, Jr. 26
The Lost Vikings of Greenland ..... Jørgen Meldgaard 36
The Squalor That Was Rome ..... Theodore Crane 44
The Bison Is Beleaguered Again ..... Henry G. DeYoung 48
Folk Art in the Barrios ..... Eric Kroll 56
Foiling the Falconers ..... Alan Pistorius 66
Celestial Events ..... Thomas D. Nicholson 78
The Greening of Indoor America ..... Richard M. Klein 80
Suggested Additional Reading 87
At Random ..... Alan Ternes 88

June-July No. 6

Authors 4
Letters 8
A Naturalist at Large: Genesis ..... Salvador E. Luria 10
Bios: Health Care in North Vietnam ..... Arthur W. Galston 20
Old Glory and the New Yap ..... David Labby 26
Photographs by Dorreen Labby
Seeds: The Carriers of Life ..... Willard K. Martin 38
So Fair and Foul a Bird ..... Charles Vaurie 60
Photographs by Hans Silvester
A Most Peaceable Rodent ..... Garrett C. Clough 66
The Myths in Men's Minds ..... Review by Terence Turner 80
Celestial Events ..... Thomas D. Nicholson 90
Sky Reporter: The Ancient and Legendary Gods of Old
Carl Sagan 92
Suggested Additional Reading 94
At Random ..... Milton Rugoff 96

August-September No. 7

Authors 4
Letters 11
A Dog's World View ..... Kenneth D. Roeder 12
The Human Strategy: The Rites of Summer ... Marvin Harris 20
Bios: Hard Times for American Science .. Arthur W. Galston 24
To Kill a Honeycreeper ..... Richard E. Warner 30
Sickness and Death in Florida's Coral Reefs
Gilbert L. Voss 40
Twilight of the Cree Hunting Nation ..... Harvey A. Feit 48
Man and Marijuana ..... Richard E. Schultes 58
The Adaptable Raccoon ..... Dean Schneider 64
Food, Glorious Food! ..... Review by Raymond Sokolov 86
Celestial Events ..... Thomas D. Nicholson 96
Suggested Additional Reading 98
Sky Reporter: The Ice Age and the Caldron ..... Carl Sagan 100

October No. 8

Authors 2
Letters 8
Secrets of the Great Plant Wizard ..... Ken and Pat Kraft 10
Bios: New Ways to Increase Man's Food
Arthur W. Galston 28
A Tribe of Ancient Mariners Comes Ashore
H. Arlo Nimmo 34
Disaster from the Tropics ..... R. Cecil Gentry 46
The Turning of the Leaves ..... Patricia W. Spencer 56
The Day the Mountain Fell ..... Daniel and Jean Shepard 64
Showdown in Ngorongoro Crater ..... Richard D. Estes 70
Man's Age-old Struggle for Power ..... Andrew Hardy 82
Not All Roads Lead to Wounded Knee
Review by Peter Farb 88
Sky Reporter: Beginnings and Ends of the Earth
Carl Sagan 101
Celestial Events ..... Thomas D. Nicholson 102
Suggested Additional Reading 104

November No. 9

Authors 5
Letters 6
Twilight Seen from Space
K. Ya. Kondratyev and O. I. Smokty 12
Bios: Turning Plants Off and On ..... Arthur W. Galston 26
A Naturalist at Large: Cabinets of Curiosities
Frank J. Anderson 41
The Metro Forest ..... A Natural History Special Supplement 45
Turkey Renaissance
Gerald A. Wunz and Arnold H. Hayden 86
Bedouins of the Oil Fields ..... Donald P. Cole 94
Back to the Bow and Arrow ..... Review by C. Loring Brace 110
Celestial Events ..... Thomas D. Nicholson 126

December No. 10

Authors 4
Letters 11
Living off the Fuels of the Land ..... Eric Hirst 20
Seaweed Invasion ..... Robert Wassman and Joseph Ramus 24
The Glory That Was Jerusalem ..... Christopher L. Hallowell 38
The Japanese Art of Tattooing ..... Donald Richie 50
Photographs by George and Claire Louden
Natural and Unnatural Selection in a Wild Goose
Paul A. Johnsgard 60
Giant Pandas in the Wild ..... Wang Sung and Lu Chang-kun
. . . and in a Biochemical Laboratory ..... Vincent Sarich 70
A New Weapon Stirs Up Old Ghosts ..... William E. Mitchell 74
Bios: Botanist Charles Darwin ..... Arthur W. Galston 85
Political Storm Signals Over the Sea ..... Patrick A. Mulloy 87
Pots and Robbers ..... Review by Ian Graham 94
Sky Reporter: The Hospitable Planet Earth
Gregory Benford 102
Celestial Events ..... Thomas D. Nicholson 104
Suggested Additional Reading 108